DOOR SPRINGS.—T. R. BODMER begs to direct the attention of Architects, Builders and others, to his Registered TORSIONAL DOOR SPRINGS, which for the most compact and simple to action, neat in appearance, and capable of being adjusted to suit any door.—Sole agents for London, Messrs. DRAKE, DRAY, and Co., London-bridge.

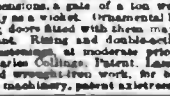
TO ARCHITECTS AND BUILDERS.

THWAITES and REED, original inventors of the spiral door-springs; beg to call the attention of the trade to those manufactured by them, which, for durability and silent working, are superior to any other; they have been in use upwards of twenty-five years at the Bank of England, and many other public establishments.—To be had only at their manufactory, 7, Charlotte-street, Clerkenwell. Established 1760.

COLLINGE'S PATENT HINGES.—Sole Manufacturers, CHARLES COLLINGE and Co., 68, Bridge-street, Lambeth, where a great variety are always on view for Doors, Railroad, Coach-houses, and other gates and doors of large and small dimensions, a gate of a ton weight moving with the finger as easily as a wicket. Ornamental hinges, adapted for garden rooms, &c.; doors fitted with them may be removed and replaced in an instant. Rising and double-acting spring hinges, for field gate fastenings, at moderate prices. Name genuine when marked "Charles Collinge, Patent, Lambeth." Plain and ornamental cast and wrought-iron work, for buildings and other purposes. Engines, machinery, patent axletrees, mangle-mills, &c.

IRON HURDLES.—Great Reduction.—

For Sheep, 6 ft. long, 3 ft. above ground, five bars, 2s. 6d. each.
For Cattle ditto 3 ft. 3 in. ditto 3s. 9d. each.
Strained Wire Fence, 3 ft. 6 in. ditto, six wires,
6d. per yard.
Ditto, 4 ft. apart ..... 1s. 1d. per yard.
Ditto with Extra Strong Standards ..... 1s. 4d. per yard.
These are suitable for enclosing farms, enclosing, poultry &c., or for sub-dividing fields. 1d. per square foot and upwards; wrought and cast iron fountains, statues, and ornamental garden figures, of every description. Lead Hydrant Pedestals, with from Frames and hoopers, Cast-iron and cast-iron screw, 4l. 4s. each. Chaff engines, with elevation, portable framing, and fly wheel, with two knives to cut eleven bushels per hour, 4l. 4s. each. Ditto, one knife, 3l. 3s. Wrought-iron wheelbarrows, 20s.
Illustrations and Price List sent free.—SMITH and FELL, 61, Gracechurch-street, City; and the Manufactory, 17, New Park-street, Southwark.



TO BUILDERS AND OTHERS.

HART and SONS, Wholesale and Manufacturing Ironmongers, Nos. 36, 54, and 55, Wych-street, Strand. Established 1818. Proprietors and sole Manufacturers of the PATENT SELF-ADJUSTING DOOR FURNITURE SPRINGLESS and Manufacturers of Dr. ARNOTT'S VENTILATING CHIMNEY VALVES.

HART and SONS solicit the attention of Builders, House Decorators, Smiths, Bell-hangers, &c. &c. to their extensive and well assorted stock of DOOR FURNITURE in every suitable material, made with finger-plates, bell-pulls, levers, &c., and also to their LOCKS and LATCHES in mortice, rim, drawback, iron gate, cast &c., of all qualities, including Barron's, Bramah's, Chubb's, Price's Patent.—To their

GENERAL IRONMONGERY wrought and cut nails, screws, bolts, &c. &c.

GLASS FOUNDRY.—Bell cranks of all descriptions, cornice poles, curtain rods, stove door handles, desk and hat rails, window guards, casement bolts, &c. &c.

WINDOW FITTINGS of all kinds, including brackets, rods, sliding sash cords, traps, &c. &c.

DOOR SPRINGS and HINGES, including Redmund's, Smith's, Norris's, Norman's, and Cotterell's patents.

WINDOW BLIND FITTINGS of the most approved principle.

SPRINGHAMS and all other VENTILATORS.

RACK BOLT MORTICE LOCKS, for which they are sole agents, as well as for all inventions of merit as soon as perfected.

HART and SONS, assure that the practice of publishing NET prices is injurious to the interests of the trade generally, are unwilling to follow it, but at the same time they beg to assure their friends that their prices will be found equally as low as those of any other reputable house.

FOUNDRY AND IRON WORKS,
BEST-LANE, and CHARLES-STREET, DRURY-LANE
GLOVER, BROS.,

call the attention of the Trade to their extensive Stock of PATTERNS for CASTINGS of EVERY DESCRIPTION, Architectural or ornamental.

Comprising Girders, Columns, Balconies, Railing, Ornamental Gates and Park Gates, Lamp and Street Posts, Tanks, Pipes, Pinions, Ladders, and Steam-engines; Range and Hot-plate with improved Sheet Door adapted for internal work.

A large stock of Rain-water Pipes, Plain and O.G. Gutters, Air Bricks, Weights, Air-grids, Sewer Gratings, Stable Fittings, &c. &c.

Plain and Ornamental Vases 20 per cent. cheaper than Terra-cotta.

Estimates given for Iron Buildings, Wrought-iron Roofing, Sashes, Staircases, Wrought-iron Girders, Fireproof Doors, Safes and Strong Rooms, Tanks and Boilers and every description of Smiths' work to specifications, and the work executed with every attention to quality and despatch.

GLOVERS' IRONWORKS,
16, DRURY-LANE, and CHARLES-STREET.

CHURCH and TURRET BELLS

cast to any weight, and hung with Iron Stocks, Wheels, and Fittings, for Church, Ship, plantation, house, hall, garden, cup, and clock bells of every description.

MUSICAL HAND BELLS

Tuned to the chromatic scale, with improved clappers, and hung on a new system, which is of superior tone and flexibility in ringing.

Ecclesiastical Bronzes, Pulpit Lights, and Brackets, &c.

Bells recast or taken in exchange.

WARNER and SONS, BELL FOUNDERS AND ENGINEERS, &c.

SAVING of TIME and MATERIALS with solidity.

BRAITHWAITE and EDGOUGH'S PATENT PORTABLE STEAM-ENGINES of one and a-half horse power, for driving circular saws, pumps, &c., for sawing, planing, and turning building materials, &c. Also, circular saws, pumps, &c. Address-street, Manchester.

TESTIMONIAL

From Charles Barry, Esq.—
Clarence-street, Westminster, London, Oct. 27, 1849.
Nathan Gough,
Dear Sir, By request of the plasterers employed to your request of the 25th inst., I have to say in compliance with your request of the 25th inst., I have to say that I have had in my employment at Westminster, for several years, a quantity of the Patent steam-engines you have supplied to the New Houses of Parliament at Westminster, for saying that they have answered the purposes for which they were required, viz., in working the building materials; and two of the three have been at work for three years, with very little repairs, and with considerable saving of fuel.—I am, Sir, your obedient servant,
Per pro. CHARLES BARRY,
ALFRED MEESON.

PATENT WROUGHT NAILS.—These NAILS are submitted to the notice of Builders, Contractors, and Ship-builders, as being superior to any others and cheaper. They have the toughness of the best hand-made nails, with far greater uniformity of make. The flat-pointed wire nails are particularly recommended wherever nails or other hard wood is used; being perfectly chisel-pointed, they require no boring, and will drive into the hardest wood without splitting it, and their heads being very strong do not fly off. The patent wrought nails may be had of all ironmongers. A stock of them is kept at the warerooms of the patentee, HENRY HUGHES and GEORGE, Wholesale Ironmongers, 179, Borough, London.

CHUBBS' LOCKS, FIRE-PROOF SAFES, AND CASH BOXES.

CHUBBS' PATENT DETECTOR LOCKS give perfect security from false keys and picklocks, and also detect any attempt to open them. They are made of all sizes, and for every purpose to which locks are applied, and are strong, secure, simple, and durable.

CHUBBS' PATENT LATCH, for front doors, counting-house doors, &c., is simple in construction, low in price, and quite secure. The keys are particularly neat and portable.

CHUBBS' PATENT FIRE-PROOF SAFES, BOOKCASES, CHESTS, &c., made entirely of strong wrought iron, so as effectually to resist the falling of brick-work, timber, &c., in case of fire, and are also perfectly secure from the attacks of the most skilful burglars.

CHUBBS' CASH and DEED BOXES, fitted with the Detector Locks.

CHUBB and SON, 57, St. Paul's Churchyard, London.

GREAT FIRES in MARK-LANE and SOUTHAMPTON-STREET, STRAND.—In these destructive Fires Deeds and Documents of immense value were beyond measure preserved by LEADBEATER'S PATENT FIRE-PROOF SAFES. LEADBEATER'S STRONG WROUGHT-IRON FIRE-PROOF DOOR SAFES, CHESTS, and DOORS, for Strong Rooms, Plate Closets, and Party-walls, &c., of best make, and possessing all the most recent improvements, are the best depositories for property of every description, in the world against Fire and Thieves. LEADBEATER'S Patent Detector Locks and Latches for all purposes. LEADBEATER'S PATENTEE and MANUFACTURER of the much approved Ventilating and Down-draught preventing CHIMNEY POT. This desirable article is found to be the most effectual cure for Smoky Chimneys ever yet before the public, and is adapted to every style of Architecture.

A large assortment on hand at LEADBEATER'S MANUFACTORY, 135, ALDERSGATE-STREET, CITY of LONDON where Prospectuses may be had.

LEADBEATER many years Manufacturer for Chubb.

THE PATENT GALVANIZED IRON, TUPPER and CARR,
Owners of Crawford's Patents, and Successors to
THE GALVANIZED IRON COMPANY,
Supply patent Galvanized Sheets, plain or corrugated, for roofing &c., Water or Gas Pipes, Coolings, Wire of all gauges, Galleries, Hoopings, &c. Wholesale Counting-house and Shop-depot.

An allowance to the trade.

WORKS—MILLWALL and BIRMINGHAM.
LONDON OFFICE, 2, MANSION-HOUSE PLACE.

THE PATENT
GALVANIZING & CORRUGATING IRON COMPANY,
JOHN SYMONDS and Co., Managers.

The Company having made considerable improvements in the mode of working CRAUFURD'S PATENTS, and being able in consequence to execute larger work than was formerly practicable, they are in a position to execute orders to any extent, in a manner hitherto unequalled, and respectfully solicit the favours of Builders, Contractors and others.

ON HAND, sheets, plain or corrugated, for iron houses, sheds, railway stations, &c., fixed to order, if required. Wire, piping, gutters, &c., for home use and exportation.

N.B.—Goods to be galvanized, sent for and returned free of charge, within three miles of the Tower; and all light goods received by Nine o'Clock will be returned the same day, if required.

OFFICES—18, CIRCUS, MINORIES.
WORKS—GLASS-HOUSE-YARD, opposite the London Docks.

*** A discount allowed to the trade.

IRON BUILDING and ROOFING WORKS,
BIRMINGHAM, late of Smethwark.
JOHN H. PORTER,
Manufacturer of the Corrugated and other kinds of Iron Roofing for railway stations, carriage sheds, farm buildings, sea-works, warehouses, factories, &c. &c.

PATENTEE
Of the Corrugated Iron Bracing, Girders, and Fire-proof Floors.

THE CORRUGATED and GALVANIZED IRON ROOF
PORTABLE BUILDING, AND
NASMYTH'S PATENT FLOORING, ROOFING, AND GIRDER WORKS.
Offices, 61, Gracechurch-street.

JOHN WALKER, sole of the Patentee of Corrugated Iron, calls the attention of Architects, Engineers, &c., to his List of Prices, which, consistently with good workmanship, are extremely low.

Models of the patent iron flooring, corrugated or not, and girders; also, drawings of roofs, on peculiar principles, may be had on application.

Drawings of the iron lighthouse, erected in the Thames and other papers (see the *Mechanic* for February 9th), may be seen by application.

References to firms of the highest class can be given.

NASMYTH'S PATENT
WROUGHT-IRON Fire-proof Flooring.
JOHN WALKER, Sole Manufacturer and Licensee,
Offices, 61, Gracechurch-street.

FIRE-PROOF FLOORS.

The late lamentable accident in Gracechurch-street serves to prove that where reliance is to be placed on the foundation on which arches are made, much dependence cannot be placed on it. The attention of John Walker is earnestly solicit the attention and inspection of Architects, Engineers, &c. to Mr. G. NASMYTH'S PATENT FLOORING, of which J. W. is the sole licensee and manufacturer. The material is wrought iron, and therefore is not subject to sudden fracture, as cast-iron is—and wood is not introduced.

Descriptive pamphlets may be had, models may be seen, and every information obtained, at JOHN WALKER'S OFFICES, 61, Gracechurch-street.

MANUFACTURER OF CORRUGATED IRON.

MOREWOOD and ROGERS' Patent GALVANISED TINNED IRON, or Iron Tinned previously to being Galvanised.

ANDREW WHITTOCK, 484, New Oxford-street, and Manchester, S.R., begs to invite the attention of Iron Engineers, Architects, Contractors, and others, who have not hitherto examined its very valuable metal, which fully accomplishes the object of the patent. It is suitable to all purposes for which iron and tinplate are used, but for roofing, the erection of railway platforms, she is, for the lining of arches and tunnels, for all Colonial and agricultural erections, &c. it is pre-eminently adapted, possessing all the advantages of wrought iron, while the iron being perfectly protected from decay, retains its pristine qualities, and consequently can be employed to the lightest and most economical form. This metal expands and contracts in a very slight degree, its bright surface radiating the sun's rays, and is therefore admirably adapted for arched and curvilinear roofs.

Testimonials by dire tion of Admiralty order, and from engineers architects, &c., can be seen, testifying to its durability, lightness, economy, and great durability; and that, every where in the space of seven years, it has not lost the name of freshness. Pamphlets containing a description of every use to which the metal can be applied, with plates, price lists, &c. can be obtained as above; and all parties are referred to the surveyor of the Patentee, Mr. GEORGE MORGAN, 33, Parliament-street, who will furnish estimates, drawings, &c., with every other explanation, free of cost.

TO IRONMASTERS, RAILWAY DIRECTORS, ENGINEERS, and BUILDERS.—The undersigned having been appointed SOLE AGENT in London for the SALE of Mr. MORRIS STIRLING'S PATENT IRON, begs to intimate that he is prepared to supply in quantities engineers and founders with the PATENT MALLEABLE and TOUGHENED CAST IRON, and that all orders addressed to him for these, and also for RAILS, with hammered surfaces, shall receive his prompt attention. Specimens of the different irons shown, and every information afforded on application. Information as to the terms of license under Mr. Stirling's Patents will be given by the patentee, and also by Mr. JEE, C.E., 6, John-street, Adelphi.

A. MACKNIGHT.

Offices—2, Queen-street-place, Upper Thames-street.
Warehouses—Paul's Wharf, 25, Upper Thames-street.
August, 1850.

REVOLVING SAFETY WOOD and IRON SHUTTERS,—MOXELL, Patentee, 16, Regent-street, and at his steam-works, 13, Odd-street. These shutters have fully proved their superiority over other revolving shutters for security, durability, and simplicity. References can be given to noblemen whose mansions are fitted therewith and numerous large establishments where some are fixed measuring upwards of one square foot to one shutter, and which are opened and closed in a few moments with the greatest possible ease, without the aid of machinery. The Patentee manufactures Iron Sash Bars, Shelf Board Plates, &c.

REVOLVING SHUTTERS.—CLARK and Co. invite the attention of architects and builders to their improvements in ROLLING SHUTTERS of IRON or Wood, having completed new and extensive machinery for the manufacture of revolving shutters, they are enabled to offer a superior article at a reduced price. Manufacturers of improved DRAWN ORNAMENTAL METALLIC SASH BARS, hollow moulded shaft-head pieces, floor plates, &c. Designs in the first style of workmanship. Mowers and reapers, lawn and kitchen mowing machines, will feel a pleasure in forwarding the requirements of architects and others for the season. Steam engines, corn mills, wool machines, and machinery of every description, and iron-work connected with buildings, bridges, roofing, turning, CLARK and Co., Engineers, Tatlow Iron Works, 230, Wapping, London, and City office and Show Rooms, 5, Cheapside.

BUNNETT and Co., ENGINEERS,
Patentees and Manufacturers of
REVOLVING IRON and WOOD SAFETY SHUTTERS,
and of
ORNAMENTAL CAST BARS, MOULDINGS, SHAFT PLATES, &c.
for the improvement and safety windows of Mansions,
IN BRASS, COPPER, ZINC, IRON, &c.

Sheet Iron Composite fitted up and glazed with cast plate glass. Wrought-iron and improved machinery of all kinds for warehouses, factories, &c. &c.

BUNNETT and Co challenge competition as to either quality or price.

Office, 32, Lombard-street, London; Works, Deptford, Kent.

B. and Co. are also Patentees and Manufacturers of Improved Rotary and Flapping Pumps for Builders; Wrought Iron Diagonal Iron Bars, double-trapped self-acting Water Closets, also self-acting and self-cleansing Effluvia Traps, for sewers, drains, &c. &c.

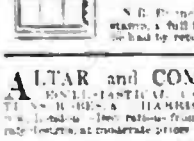
CHAS. WM. WATERLOW,
MANUFACTURER
of Sashes and Frames, and Joiner to the Trade, 121, Bunhill-row, Finsbury-square.—Well-seasoned materials, superior workmanship, lowest prices.—Upwards of 50 Patterns, and a large variety of sashes and Frames always on sale. Glazed goods securely packed for the country. Steam-carriage Weekly to any quantity.—N.B. This Establishment is worth the notice of all engaged in building.

NOTICE OF REMOVAL.—JOHNSON and PARK, sash, Door, and Lead Makers to the Trade, beg to inform their Customers and the Public generally, that they have removed to more extensive premises, at

BAKER-STREET,
BADDRIDGE WELLS-ROAD,

where they have every convenience for carrying on a larger business.

N.B. Enclosing a postage stamp, a full list of prices may be had by return of post.



ALTAR and COMMUNION CLOTHS, ECCLESIASTICAL CARPETS, CHURCH DESKS, TABLES, &c. HARRISON, 31, Bow-churchyard, Cheapside, London, (late pupils from the firm of Gregory), have the most extensive, at moderate prices

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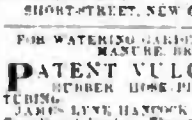
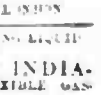
DOULTON'S TERRA-COTTA and GLAZED DRAIN PIPES.

Specimens of the above may be seen in Class XXVI., and outside the Building, West end, N. 9 and 10.

Also, a TERRA-COTTA FIGURE OF TIME, by Theed.—Drawings and prices, on application, at the Manufactory, Lambeth.

THOS. LAMBERT and SON,





PATENTEES of the Floatable Portmanteau and High-pressure Valve Cocks.

Equilibrium Ball Valves, and Self-acting Water-closets; manufacturers of Hydraulic, Gas, and Steam Fittings, Tin, Lead, and Composition Pipes.

SHORT-STREET, NEW CUT, LAMBETH, LONDON.

FOR WATERING GARDENS, DISTRICTS, &c. LIQUID MANURE BREWERS, &c.

PATENT VULCANISED INDIA-RUBBER HOSE-PIPES AND FLEXIBLE GAS TUBING.

JAMES LYNE HANCOCK sole Licensee and Manufacturer, Goswell-road, London. These pipes are well adapted for watering gardens conveying liquid manure, cooling beer and cider, for portable gas-lamps, and all purposes where a perfectly sound waterproof and flexible pipe is required. Hot liquors or acids do not injure them; they are, therefore, much used for chemical purposes, as they require no oil or dressing when out of use; are particularly suitable for fire-engines, and are found exceedingly useful in dwelling-houses, for conveying hot or cold water to baths, &c. Testimonials and prices may be had or applied to at the manufactory. N.B.—Vulcanised India-Rubber Garden Hose, fitted up with brass nuts and branches complete with union joints ready to attach to pumps or water-cisterns. All orders or letters addressed to J. L. Hancock, Goswell-mews, Goswell-road, London, will meet with immediate attention. Waterproof fishing boots and mackintoshs, portable india-rubber baths, shower and sponging baths, air cushions and beds made and sent to order.

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